

## CONTROLLING THE POSITION OF AN OBJECT IN THREE DIMENSIONS

### Abstract of the Disclosure

A play piece may be positioned in three dimensions without actually contacting a play piece. A three dimensional structure may be include with a grid of electromagnetic actuators. By selectively controlling the  
5 current through such actuators, the position of the play piece, having a permanent magnet, may be adjusted. In addition, the current induced by the play piece may be utilized to determine the location of the play piece.